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**Abstract of the Disclosure**

A vestigial sideband VSB receiver includes a digital processing part for selecting a desired channel frequency via an antenna and converting the desired channel frequency to an intermediate frequency to digitize a predetermined band of the intermediate frequency, a carrier wave restoring part for extracting pilot components from a signal of the digitized pass band to restore carrier waves, and a demodulator for separating components I and Q from the signal of the digitized pass band and multiplying the components with a complex carrier wave, which is restored in the carrier wave restoring part. The carrier waves are restored by extracting the pilot signals from the pass band and detecting the symmetrical errors of the carrier wave frequency, so that the carrier wave may be stably obtained and pursued with relation to the both positive and negative frequency offsets.